

Effect of Viscous Transfer of Momentum on
Diffusion in a Gas Mixture, by V. Zhdanov, Yu,
Kagan, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLII,
No 3, 1962, pp 857-867.

AIP
Sov Phys - JETP
Vol XV, No 3

Sci

213,22 202

Oct 62

The Mossbauer Effect for an Impurity Nucleus in
a Crystal. I., by Yu. ~~Kagan~~, Ya. A. Iosilevskiy,
8 pp

RUSSIAN, per, Zhur-Eksper i Teoret Fiz, Vol XLII,
No 1, 1962, pp 259-272.

~~XII~~ AIP --
Sov Phys-JETP
Vol XV, No 1

Sci

Jul 62

214,698

Theory of Hyperfine Structure of the Mossbauer
Line in Paramagnetic Substances, by
A. M. Afanas'ev, Ya. Kagan, 11 pp.

RUSSIAN, per, Zhur Eksp i Teoret Fiz,
Vol XIV, No 5, 1963, pp 1660-1677.

Amer Inst of Phys
Sov Phys - JETP
Vol XVIII, No 4

Sci
Jun 63

260,343

Scattering of Neutrons by Crystals With
Impurity Nuclei and the Problem of
Reconstructing the Vibration Spectrum,
by Yu. Kagan, Ya. Iosilevskii, 712 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,
Vol XLIV, No 4, 1963, pp 1375-1395.

Amer Inst of Phys
Sov Phys - JETP
Vol XVII, No 4

241,965

Sci
Oct-63

~~Sci~~
~~Oct-63~~

Determination of the Frequency Spectrum of
Phonons in Crystals, by Yu. Kagan, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,
Vol XL, No 1, 1961, pp 312-318.

AIP
Sov Phys - JETP
Vol XIII, No 1

Sci
Aug 61

167,202

Cyclotron Resonance in Germanium and Silicon and the
Effect of Negative Effective Masses, by Yu. Kagan,
8 pp.

RUSSIAN, per, Zhur Ekaper i Teoret Fiz, Vol XXXVIII,
No 6, 1960, pp 1854-1865.

AIP
Sov Phys-JETP
Vol XI, No 6

Sci

Feb 61

141,347

The Kinetics of Boiling of a Pure Liquid, by
Yu. Kagan, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 1,
1960, pp 92-101.

Cloaver-Hume Press

Sci

Sep 60

127, 612

On the Theory of the Bubble Chamber, by Yu.
Kagan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CCIX, No 2,
1958, pp 247-250.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

Sci - Phys

Jul 59

91,863

The Mossebauer Effect for an Impurity Nucleus
in Crystal. II

By Yu. Kagan, Ya. Iosilevskiy p. 12

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLIV,
No 1. 1963, pp. 284-302

Amer Inst of Phys
Sov Phys - JETP
Vol XVII, No 1

Sci

Aug 63

343,110

Concerning the Excitation of Atoms in a Mercury Discharge, by Yu. Kagan, N. Penkin, 4 pp.

RUSSIAN, bimo per, Zhur Exper i. Teoret Fiz., Vol XXI, 1951, pp 1182-1183.

AEK Tr 1723

Scientific - Physics

CTS/DEX 7338

The Activation of Fused Iron Fischer-Tropsch Catalysts Under the Influence of the Reaction Mixture, by Yu. B. Kagan, A. N. Bashkirov, E. V. Kamzolkina, et al, 7 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 3, 1960, pp 393-400.

CB

Sci
Sep 61

168,546

The Mechanism of the Catalytic Action of Fused Iron Catalysts of the Synthesis from CO and H₂, by E. Yu. B. Kagan et al.

RUSSIAN, per, Izvest Akad Nauk SSSR, Otdel Khim Nauk, Vol. 10, No 10, pp 1274-1275.

1958
RFB RJ-1676

Sci - Chem

Jul 59

90,852

**Synthesis of Secondary Alkamines
from Aliphatic Alcohols and Primary 1
Amines, by Yu. B. Kagan, A. E. Baskinov,
G. A. Kliger, Zhong-ya Zai, 8 pp.
RUSSIAN, per, *Khimiya*, Vol 2,
No 3, 1962, pp 324-331.
SLA 77-67-30094**

Yu. B. Kagan

136,342

**Sol
Aug 67**

The Mechanism of the Action of Fused-Iron Catalysts
in the Synthesis of Organic Compounds From CO and
H₂, by Yu. B. Kagan, A. Ya. Rozovskiy, 5 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 1,
1961, pp 55-60.

CE

Sci

Jun 62

200,261

Reaction Kinetics of Carbon Monoxide in the Presence
of Iron Catalysts, by Yu. B. Kagan, A. N. Bashkirov,
E. V. Kamzolkina, A. Ya. Rozovskiy, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12,
1959, pp 2706-2711.

Cleaver-Hume Process

Sci

Sep 60

127,799

Amination of Butyl Alcohol over Iron
Catalysts in Presence of Hydrogen Under
Pressure, by Yu. D. Kagan, A. N. Bashkirov,
G. A. Kliger, 5 pp.

RUSSIAN, per, Iz Ak Nauk
SSSR, Otdel Khim Nauk, No 3, 1961,
pp 468-473.

CB

200, 655

Sci
Apr 62

The Formation of An Active Surface on Fused Iron
Catalysts Used in Synthesis from CO Plus H_2 , by
Yu. B. Kagan.

RUSSIAN, per, Khim i Tekh Top i Mater, Vol III,
No 3, 1958, pp 14-22.

Dept of Int
US Bur of Mines
Central Exper Sta
Pittsburgh, Pa. No 407

Sci - Chem

RTI CJ 111

May 59

87,724

In the Role of Oxygen-Containing Compounds in the
Synthesis of Hydrocarbons From Carbon Monoxide and
Hydrogen, by Yu. B. Kagan, Y. B. Kryukov, D. V.
Kamzolova, A. N. Bashkurov, 28 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1952, pp 649-657.

Sci Mus Lib No 53/1908

Consultants Bureau
6326

Scientific - Chemistry
CTS/DEX

A New Synthesis of Aliphatic Amines, by A. N. Zaslavskiy,
Yu. B. Kagan, G. A. Kliger, 4 pp.

RUSSIAN, three-to per, Dok Ak Nauk SSSR, Vol CIX,
No 4, Jul/Aug 1956, pp 774-776.

Consultants Bureau

Sci - Chem

56, 642

Dec 57

S
Synthesis of Higher Aliphatic Alcohols From CO
and H₂, by A. M. Bashkirov, Yu. B. Kagan, L. I.
Zvezdkina, 3 pp.

RUSSIAN, thrice-no por, Dok Ak Nauk SSSR, Vol 125,
No 3, pp 525-527. Jul/Aug 1956

Consultants Bureau

Sci - Chem

56, 632

Dec 57

10 063

Fr-1

Yu. M. KAGAN

Probe measurement in low-pressure plasma

Mesures par sondes dans le plasma sous basse pression

Vestnik Leningrad Univ., Ser. Fiz. i Khim., No. 4, 63-78
(1957)

CEA-tr-R-363. French

E u r a t o m

Electron Velocity Distribution, Excitation, and
Ionization in the Positive Column of a Neon Discharge,
by Yu. M. Kagan, R. I. Lyagushchenko, 4 pp.

RUSSIAN, per, Zhur Tekh P/// Fiz, Vol XXXII, No 2,
1962, pp 192-196.

AIP
Sov Phys - Tech Phys
Vol VII, No 2

Sci

213,367

Oct 62

Electron Velocity Distribution Function in a Positive,
Medium-High Discharge Column, by Yu. M. Kagan, K. S.
Mustafin, 9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 8, 1960,
pp 938-947.

146,385

AIP
Sov Phys-Tech Phys
Vol V, No 8

Sci -
Apr 61

On the Theory of Ion Currents to Probes at Low Pressures, by Yu. M. Kagan, V. I. Perel

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI, No 6, 1953, p 1321. CIA 9007386

NSF Tr 179

Scientific - Physics
CTS/DEK

9395

Positive Discharge Column Under Diffusion
Conditions, by V. M. Zakharova, Yu. M. Kagan,
V. I. Perel', 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,
No 8, 1959, pp 999-1003.

Columbia Tech

Sci

Oct 60

130,297

Thermochemical Effects of Ionizing Radiation, by
V. I. Gol'danskiy, & Yu. M. Nagan.

RUSSIAN, papers, Proceedings of the Symposium on
Chemical Effects of Nuclear Energy Agency, 1961,
pp 47-59, STI-PUB-34. Vol. I.

AEC Tr-5053

Sci - Nuc Phys
Jul 62
List 70

204,727

Probe Methods in Plasma Research, by
Yu. M. Kagan, V. I. Perel', 27 pp.
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXXI,
Nos 3-4, 1963, pp 409-452.
Amer Inst of Phys
Sov Phys - Uspekhi
Vol VI, No 6

Sci
Aug 1964

263,314

53

On the Motion of the Ions and the Profile of the
Spark Lines in the Positive Column of a Discharge.
II. Radial Motion of the Ions in a Low Pres-
sure Discharge, by Yu. M. Kagan and V. I. Pavol,
GOSMAN, per. Optika i Spektroskopiya, Vol 4, No 1,
1958,
ILL Ref: 5828.47 (M 7803)

Sci/Chem
Mar 70

Yu. M. Kagan

404,100

The Excitation of Inert Gases in the Positive Column
of a Discharge at Medium Pressures
By Yu. M. Kagan, R. I. Lyagushchenko and J. Neon pp. 5

RUSSIAN, per, Optika i Spektro, Vol XIV, No 5,
1963, pp. 598 - 606

OSA

Sci

344,603

Aug 63

Electron Energy Distribution Function in the
Positive Column of a Neon Discharge, by Yu. M. Kagan,
R. I. Lyagushchenko, : 4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXI, No 4, 1961,
pp 445-449.

AIP
Sov Phys-Tech Phys
Vol VI, No 4

Sci

170.080

Sep 61

Probe Measurements of Medium Pressures, by V.M.
Zakharova, Yu.M. Kagan, K.S. Mustafin, V.I.
Perel', 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXI, No 4, 1960,
pp 442-449.

AJP
Sov Phys-Tekh Phys
Vol V, No 4

134,599

Sci
Dec 60

Line Shape and Line Shift for Ions in the Positive
Beam of Gas Discharge, by S. E. Frish, Yu. M. Kagan,
6 pp.

RUSSIAN, per, Izvest Akad Nauk SSSR Ser Fiz, Vol XII,
1948, pp358-61.

ABC Tr 2573

~~AP 647067 (abstract)~~

~~USA 0-37909~~

Sci - Physics
Nov 56 CES

40,443

Yu. M. Kagan

Probe measurements in low pressure plasma. 25 pp.

*RUSSIAN, Leningrad. Universitet. Vestnik seriya
fiziki i khim., No 4, 1957, pp 63-78*

AIR/PTD-MT-24-1974-71

oct 72

Determination of Plasma Parameters in Inert Gases,
by Yu. M. Kagan, T. Ya. Kal'vinova, /I. S.
Raudanen, 3 p.

RUSSIAN, per, Leningrad U. Vestnik, 1957, Vol XII,
No 16, Ser Fiz, 1 Khim, No 3, pp 41-43.

AMS-85L33R

HTC-41-1171

Sci
Apr 60
Vol XII, No 2

113,624

KAGAN, Yu. M. (S. E. Frisk)

A Spectroscopic Study of Ions in the Positive Column of
the Glow Discharge - Russ per Starik 1 Soviet Phys Vol
12/42 AEC Tr STS Oct 49 (1/49)

A Spectroscopic Investigation of the Motion of Ions in
Plasma - Russ per Starik 1 Soviet Phys No 17, No 6/49
both articles are AEC Tr in Oct 49 CTR

Spectroscopic Investigation of the Motion of Ions in a
Plasma - Russ per Starik 1 Soviet Phys Vol 18, No 6/48
AEC Tr Oct 49 CTR

A 4669

On the Motion of the Ions and the Profile of the
Spark Lines in the Positive Column of a Discharge,
II. Radial Motion of the Ions in a Low Pressure
Discharge, by Yu. M. Kagan, V. I. Perel, 13 pp.

RUSSIAN, per, Optika i Spektroskopiya, Vol IV,
1958, pp 3- 8.

AEC Sp-113

Sci - Phys

Oct 58

74, 467

Spectroscopy of the Gas ~~EM~~ Discharge, by S. E.
Frish, Yu. M. Kagan, 23 pp.

RUSSIAN, per, Vestnik Leningrad Univ, No 1, 1946,
pp 12-40.

AEC Tr 2585

Sci - Physics
Nov 56 CTS

40, 453

Motion of Ions in a Mixture of Isotopes, by Yu
M. Kagan and V. I. Perel', 2 pp.

RUSSIAN, per, Zhur Eksper 1 Teoret Fiz, Vol
XXXIV, No 1, 1958, pp 126-128.

Amer Inst of Phys
Sov Phys - JETP
Vol VII(34), No 1

Sci - Phys

Sep 58

73,245

Concerning Methods for Investigating Distribution
Functions of Velocities of Electrons in a Gaseous
Discharge, by Yu M. Kagan, V. L. Federov, G. M.
Malyshev, L. A. Gavallias, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, 1951,
pp 215-17.

AEC Tr 2558

Sci - Physics, ~~Electromagn~~
Nov 56 ~~SEE~~ CTS

40, 431

On the Line Intensity Distribution of Sodium
Subordinate Series in the Positive Column, by
V. M. Zakharova, Yu. M. Kagan, 16 pp.

RUSSIAN, per, Vest Leningrad U, Ser Mat Fiz Khim,
Vol X, No 2, 1955, pp 125-134.

AEC Tr 2739

Sci - Physics
Aug 57

51,824

Ion Mobility and Space Charge in an Inhomogeneous
Field, by Yu. M. Kagan, V. I. Pere', 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol
CVIII, No 2, 1956, pp 222-

Amer Inst of Physics
Sov Phys "Doklady"
Vol I, No 3

51,587

Sci - Phys
Aug 57

Spectroscopic Investigation of the Distribution
of Electron Speeds in the Positive Column of a
Discharge (Condensation), by V. M. Zakharova,
Yu. M. Kagan, 2 pp.

RUSSIAN, bina per, Iz Ak Nauk SSSR, Ser Fiz,
Vol XVIII, No 2, 1954, p 254.

ABC Tr 2194
Columbia Tech Tr

Scientific - Physics
CT3 72/Sep 1955

26,567

On the Theory of Langmuir Probes, by Yu. M. Kagan,
V. I. Perel, 2 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXIX, No 2, 1955, pp 261-263.

American Inst of Physics
Soviet Physics, Vol II, No 2,

Sci - Physics
Feb 57 CTS

43,825

REC T. 26-1

On the Motion of Ions and the Shape of Their
Lines in the Positive Discharge Column, III. A
Directed Motion of Ions in a Discharge at
Arbitrary Pressure, by Yu. M. Kagan, V. I. Perel,
6 pp.

RUSSIAN, per, Optika i Spektroskopiya, Vol IV,
No 3, 1958, pp 285-288.

AEC NP-124

Sci - Nuc Phys

Oct 58

74, 470

On the Motion of Ions and the Contour of Their
Lines in the Positive Column of the Discharge.
I. The Directed Movement of Ions in a Discharge
of Low Pressure, by Yu. M. Kagan, V. I. Parf, 1,
10 pp.

RUSSIAN, per, Optika i Spektroskopiya, Vol II,
1957, pp 298-303.

ABC NP-70

Sci-Mac Phys

Dec 58

77,953

Concentration of Metastable Atoms in the Positive
Column of a Discharge at Low Pressures, by Yu. M.
Kagan, V. I. Perel's, 8 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXIV,
1953, pp 319-325.

AEC Tr 2280

Assoc Tech Svc Tr 5806R

Scientific - Physics
Nov 55 CTS/DEX

28,447

The Cross Section for Charge Exchange of Slow
Ions in a Gas of the Same Element, by Yu. M. Kagan,
V. I. Perel, 4 pp.

RUSSIAN, no per, Zhur Ekaper i Teoret Fiz, Vol XXIX,
1955, pp 884-886.

AEC Tr 2172

Sci - Physics
Aug 57

51,826

J

(NY-6309)

Cholinesterase Reactivation and Experimental
Therapy of Mercaptophos Poisoning, by Yu. G. Kagan,
6 pp.

RUSSIAN, per, Patolog Fiz i Eksp. Terapiya,
Vol V, No 1, 1961, pp 63-65.

JPRS 9312

Sci - Med
Jun 61

155,481

Excitation of Ions in a Low-Pressure Mercury
Discharge, by Ye. M. Kagan, V. M. Zakharenko, 6 pp.

RUSSIAN, per, Soviet Phys. J. Secret Fis, Vol XXXI,
1972, pp 400-405.

AND No 2393

Sci - Physics
Nov 56 CDS

40,463

The Movement of Positive Ions in Their Own Gas, by
Yu. M. Kagan, V. I. Perel, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLVIII, 1974,
pp 575-8.

ANC tr 256
~~AR-61062 (Document)~~
~~CIA-6-57509~~

Sci - Physics
Nov 56 CTS

40,436

RT-1 ✓

Investigation of the Discharge Parameters and the
Character of the Excitation of Ion Lines at High
Current Densities, by V. M. Zakharova, Yu. M.
Kagan, 12 pp. UNCLASSIFIED

RUSSIAN, per, Optika i Spektroskopiya, Vol I,
No 5, 1956, pp 627-635. CIA 9032849

ACBIL 998

Sci - Phys
Oct 58

74, 830

The Concentration of Excited Atoms in a Mercury Discharge, by Yu. M. Kagan, N. P. Penkin.

Full translation.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Ser Fiz, Vol XIV, USSR, 1950, pp 721-726.

AEC Tr 1499

Scientific - Physics, atoms, mercury

RT-112

A-4668

On the Theory of a Probe in the Plasma. Part 1,
by Yu. M. Kagan, V. I. Perel, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, 1954,
pp 889-894. *27A 91577*

AEC Tr 2220

Assoc Tech Sv Tr 95G6R

Scientific - Physics
CTS 73/Oct 1955

27,148

On Methods of Investigating the Velocity
Distribution of Electrons in Plasma, by Yu. M. Kagan,
G. M. Malyshev, V. L. Fedorov, 19 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIII, 1953,
pp 894-903.

28,706

AEC Tr 2284
ATS-9404E
Columbia Tech Tr
ATC-PC-711

Scientific - Physics

Nov 55 CTS/DEX

Motion of Ions in Plasma, by Yu. M. Kagan, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXII,
No 6, pp 702-707.

Columbia Tech

Sci - Phys

Jul 59

93, 235

Toxicity and Some Toxicodynamic Problems of
new Organophosphorous Insecticides, by Yu.
S. Kagan.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfor-
organicheskikh Soedineniy, ~~October~~ 1959,
pp 458-462.

Nov 26 - Dec 1

ATS RJ-4013

Sci-Chem
Dec 63

244,910

(NY-5429)

Changes in the Organism of Animals Following
Poisoning With Certain Organophosphorous
Insecticides, by Yu. S. Kagan, Ye. I. Makovskaya,
10 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XXII, No 9,
1960, pp 44-49.

JPRS 7405

Sci - Med

136,522

Jan 61

Organophosphorus Insecticides. 3-Chlorobutenyl-2
Phosphates and Thiophosphates, by T. A.
Masteryukova, E. L. Gafter, Yu. S. Kagan, 4 pp.

RUSSIAN, per, Zhur Obsch Khim, Vol XXX, No 9,
1960, pp 2813-2815.

CHI

170,680

Sci

Sep 61

(FDD 28993)

Experimental Data on Therapy in Poisoning by
the Phospho-organic Insecticide -- **TKK Tiofos**,
by Yu. S. Kagan, 13 pp.

RUSSIAN, bino per, ^K Farmakol i Toksikol, Vol XIX,
No 2, Moscow, Mar/Apr 1956, pp 49-52.

CIA/FDD U-9045

Sci - Medicine, pharmacology, toxicology
Oct 56 *41, 306*

The First All-Union Scientific Conference on the Hygiene
and Toxicology of Insectafungicides, by Yu. S. Kagan, 3 pp.

RUSSIAN, par, Farmakol i Toksikol., Vol XVI, No 1,
1958, pp 87-88.

Consultants Bureau

Sci - Med

Dec 58

77, 714

Biosynthesis of Isoleucine From Its α,β -Dihydroxy
Analogue in Various Plant Seedlings, by
Z. S. Ragan, V. L. Kretovich, 5 pp.

RUSSIAN, per, Fiziol Rastenii, Vol X, No 6,
1963, pp 458-464.

CB

Sci
Apr 64

554,011

B, B-Dimethylacrylic Acid as an Amino Acid Precursor in Plants, by Z. S. ~~Agar~~ pp. 7

RUSSIA, per, Biokhimiya, Vol XXVII, No 4, 1962, pp. 715-721

CB

Sci

340,877

Aug 63

The Biosynthesis of Valine and Isoleucine in the
Ripening Wheat Ear, by V. L. Kostovich, Z. S.
Kagan, 6 pp.

RUSSIAN, Per, Biokhim, Vol XXIV, No 4, 1959,
pp 717-722.

CB

Sci

132, 421

Nov 60

The Dynamics of Volatile Organic Acids Formed During
Anaerobic Decomposition of Organic Compounds by
Microorganisms in Methane Tanks, by V. I. Lyubimov,
Z. S. Kagan, 5 pp.

RUSSIAN, per, Mikrobiol, Vol XXVII, No 4, 1958,
pp 484-488.

Amer Inst of Biol Sci

Sci - Med

Mar 59

82,125

Valine Biosynthesis and Ammonia Assimilation in
Wheat Sprouts, by V. L. Kretovich, Z. S. Kagan,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3,
1960, pp 673-675.

AIBS

Sci

Feb 61

138,443

Synthesis of α -Keto Acids Via Azlactones of 2-(Acylamino)-3-Alkyl (or Aryl) Acrylic Acids, and a New Synthesis of 3-Methyl-2-Oxovaleric Acids, by Z.S. Kagan, 3 pp.

RUSSIAN, Per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1957, pp 1466-1487.

Consultants Bureau

Sci - Chem

May 59

86,989

Kaganer, M. G.
ISOTHERMAL JOULE-THOMPSON EFFECT AND
EQUATION OF STATE OF GASES WITH NONPOLAR
MOLECULES. [1964] 25p 26refs
Order from OTS, SLA, or ETC \$2.60 TT-64-14909

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1956, v. 30,
no. 12, p. 2691-2704.

(Physics--Thermodynamics, TT, v. 11, no. 11)

TT-64-14909

I. Kaganer, M. G.

1104909

Office of Technical Services

Effect of Bulk Density of Porous Materials on Heat
Transfer, by M. G. Kaganer, L. I. Glebova, 8 pp.

RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol VI, No 4,
1963, pp 27-32.

JPRS 21,292

Sci -
Oct 63

341,734

**Adsorption of Nitrogen, Argon and Krypton on Various
Surfaces and Determination of Surface Area, by
H. G. Ragsdale.**

**RESEARCH, ser, Soc Am Chem Soc, Vol 222: CXXXVIII,
No 2, 1961, pp 405-408.**

**U.S. Atomic Energy Authority
Raleigh, NC Ref Ser-117(W)**

**Sci - Phys
Jul 62**

202,104

Separation of Nitrogen-Helium Mixtures by
Diffusion Through Porous Membranes, by
M. G. Kaganer, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 9,
1960, pp 2005-2012.

Cleaver-Hume Press

Sci
Aug 61

167,070

New Method for Determining the Specific Surface of
Absorbents and Other Finely Divided Substances, by
M. G. Kaganer, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 10,
1959, pp 2202-2210.

Cleaver-Hume Press

Sci -
Aug 60

122, 272

Low Pressure Adsorption Isotherms for Nitrogen,
by M. G. Kaganer, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No. 6,
1958, pp416-419.

Consultants Bureau

Sci

102,008

Dec 59

A Method for the Determination of Specific
Surfaces from the Adsorption of Gases in the
Monomolecular Region, by M. G. Kaganer, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXVI, No
2, 1957, pp 251-254.

Consultants Bureau

CSA To YC R-916 9085318

Sci - Chem

73, 644

Aug 58

An Investigation of the Thermodynamical
Properties of Air and Nitrogen at High
Pressures and Low Temperatures. I. The
Isothermal Joule-Thomson Effect for Air
and Nitrogen, by I. P. Ishkin, M. G. Hasanov,
8 pp.

RUSSIAN, as per, Zhur Tekh Fiz., Vol XXVI, No 10,
Oct 1956, pp 2329-2337.

Amer List of Phys
Sov Phys-Tech Phys
Vol I, No 10

Sci - Physics
NOV 57

54, 739

Maxima of Thermodynamic Properties and the Transition of Gas to Liquid in the Supercritical Region, by M. G. Kaganer, 20 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958, pp 332-339.

Natl Res Council of Canada
TR-834

Sci - Phys, Chem
Jan 60

105,827

A Device for Measuring the Moisture Content of
Liquid CO₂, by M. G. Kaganov, et al.

RUSSIAN, per, Zavod Lab, No 2, 1958, p 247.

Infosearch Ltd.

Sci - Chem
Sep 59

96,398

Hydrazene Treatment of Feedwater for TP-240-1
Ultra-High-Pressure Boilers, by D. Ya. Kagan,
T. A. Kaganer.

RUSSIAN, per, Teploenergetika, Vol VII, No 11,
1960, pp 46-48.

MLL M. 3106

Sci - Engr

Apr 62

189, 812

Enterprises Draw-Up Plans for Scientific Organi- 5
sation of Labor [sic], by G. Hagenov, 5 pp
RUSSIAN, per, Plannovye Kootsyustvo, No 12, Dec
64, pp 60-62.
JPRS 29544

USSR
Econ
Apr 65

271,709

VIII All-Union Conference on Low Temperature
Physics (Kiev, October 13-20, 1961)., by
M. Kaganov, I. Mikhailov.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXVII, No 1-2,
1962.

Amer Inst of Physics
Sov Phys - Uspekhi
Vol V, No 2

Sci

233,236

Mar 63

A Method of Compensating for the Differences in
Thermistor Temperature Characteristics

By M. A. Kaganov, pp. 7

Russian, per, Avtomat i Telemekh, Vol XXIV,
No 1, 1963, pp. 97 - 103

ISA

Sci

240-806

Oct 63

Utilization of Thermistors for Correcting
Differential Temperature-Difference Measuring
Circuits, by M. A. Kaganov, Yu. L. Rozenshtok,
4 pp.

RUSSIAN, per, Izmeritel Tekh, No 9, 1961,
pp 22-24.

ISA

Sci

201,814

Jun 62

^{Effect}
On the ~~Effect~~ of Contact Temperature Meters on
the Accuracy of Determination of Thermal Properties,
by M. A. Kaganov, 10 pp.

RUSSIAN, per, *Inzhenerno-Fizicheskiy Zhurnal*, Vol VI,
No 9, 1963.

JPRS 23006

Sci

Feb 64

249,067

Determination of the Characteristics of
Semiconductor Thermistors used in Measurements,
by M.A. Kaganov, Yu.L. Rozenstok, 3 pp.

RUSSIAN, per, Priborostroneniye, no 3, 1960,
pp 5-6.

Taylor & Francis

Sci
Jan 61

137,271

The Measurement of Heat Flow With a Heat Flow
Meter, by M. A. Kaganov, Yu. I. Rosentock, 4 pp.

RUSSIAN, per, IZ Ak Nauk SSSR, Ser Geofiz, No 8,
1961, pp 1174-1178 .

AGU

Sci

Mar 62

183,958

The Problem of Utilizing the Method of an "Instantaneous" Heat Source for Determining the Thermal Characteristics of Heat Insulators, by M. A. Kaganov, 4 pp.

RUSSIAN, per, Zhur: Tekh Fiz, Vol XXVI, No 3, Mar 1956, pp 674-677.

Amer Inst of ^Phys
Soviet Phys-Tech Phys
Vol. I, No 3

Sci - Physics
Aug 57

51,797

A Theoretical Analysis of the Method of Measuring
Thermal Conductivity of Semiconductors Proposed
by A. V. Yoffe, A. F. Yoffe, M. A. Kaganov, 4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 11,
1958, pp 2364-2368.

7

Amer Inst of Phys
Sov Phys - Tech Phys
E Vol III, No 11

Sci - Phys
Jul 59

90,750

A Nonthreshold Photoconductive Effect in Metals
With Intersecting Bands, by M. I. Kaganov,
I. M. Lifshitz, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLV,
No 4, 1964, pp 948-954.

Amer Inst Of Phys
Sov Phys - JETP
Vol XVIII, No 3

Sci
Apr 64

256,067

High-Frequency Magnetic Susceptibility of a
Uniaxial Ferromagnetic Crystal in a Longitudinal
Magnetic Field, by M. I. Kaganov and V. M. Tsukernik,
2 pp.

RUSSIAN, per Zhur Eksp. I Teoret. Fiz, Vol. XLI,
No. I, 1961, pp. 267-273.

AIP
Sov. Phys.-JETP
Vol. XIV, No. I

Sci

Mar 62

188, 157

Theory of Absorption of Sound in Uniaxial Ferro-
magnetic Dielectrics, by M. I. Magalov, La. A.
Chkvashvili, 4 pp.

USSIAN, per, Fiz Tverdogo Tela, Vol III, No 1,
1961, pp 275-281.

AIP
Sov Phys-Solid State
Vol III, No 1

ci
ul 61

161,183

Theory of Absorption of Sound in Uniaxial Ferro-
magnetic Dielectrics, by M. I. KARENOV, Z. M.
Chikvashvili, 4 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 1,
1961, pp 275-281.

AIP
Sov Phys-Solid State
Vol III, No 1

cl
cl 61

161, 183